

? b 351

07sep98 13:16:37 User208669 Session D1270.1

\$0.13 0.041 DialUnits File1

\$0.13 Estimated cost File1

FTSNET 0.003 Hrs.

\$0.13 Estimated cost this search

\$0.13 Estimated total session cost 0.041 DialUnits

File 351:DERWENT WPI 1963-1998/UD=9835;UP=9832;UM=9830

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Set	Items	Description
S1	3	BIRNA?
S2	41	IBDV OR IPNV
S3	90	INFECTIOUS(W)BURSAL OR GUMBORO OR
		PANCREATIC(W)NECROSIS
S4	100	S1 OR S2 OR S3
S5	4	VP5
S6	1	S4 AND S5

? t s6/27

6/27/1

DIALOG(R)File 351:DERWENT WPI

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011776412

WPI Acc No: 98-193322/199817

XRAM Acc No: C98-061870

Generation of live birnavirus from synthetic RNA transcripts - useful for vaccines against infectious bursal disease

Patent Assignee: UNIV MARYLAND BIOTECHNOLOGY INST (UYMA-N)

Inventor: MUNDT E; VAKHARIA V N

Number of Countries: 078 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Week
WO 9809646	A1	19980312	199817 B
AU 9738918	A	19980326	199832

Local Applications (No Type Date): WO 97US12955 A 19970731; AU 9738918 A

19970731

Priority Applications (No Type Date): US 96708541 A 19960905

Abstract (Basic): WO 9809646 A

A novel method for preparing a live Birnavirus, comprises: (a)

preparing a cDNA containing infectious bursal disease virus (IBDV)

genome segments A and E; (b) transcribing the cDNA to produce synthetic

RNA transcripts; (c) transfecting host cells with the synthetic RNA

transcripts; (d) incubating the host cells in a culture medium; and (e)

isolating live IBDV from the culture medium. Also claimed are: (1) a

live IBDV produced by a method as above; (2) a synthetic RNA encoding protein VP1-VP5 of IBDV; (3) a cDNA containing at least a portion of IBDV genome chosen from segment A, B or A and B of IBDV, where the cDNA includes the 5' and 3' termini of the segments; (4) a recombinant vector comprising the cDNA as in (3); and (5) a host cell transfected with the synthetic RNA of (2) or vector of (4).

USE - The live IBDV, which is inactivated or attenuated prior to administration, is used in a vaccine. The vaccine is useful for protection against IBD (or Gumboro disease) which is characterised by the destruction of lymphoid follicles in the bursa of Fabricius. In a fully susceptible chicken flock of 3-6 weeks of age the clinical disease causes severe immunosuppression, and is responsible for losses due to impaired growth, decreased feed efficiency and death.

Dwg.0/6

? log hold

07sep98 13:20:08 User208669 Session D1270.2

\$3.74 0.384 DialUnits File351

\$3.35 1 Type(s) in Format 27

\$3.35 1 Types

\$7.09 Estimated cost File351

FTSNET 0.066 Hrs.

\$7.09 Estimated cost this search

\$7.22 Estimated total session cost 0.425 DialUnits

Logoff: level 98.08.31 D 13:20:08